

ELECTRONIC DEVICE WITH AN UPDATE AGENT THAT EMPLOYS PREPROCESSING TECHNIQUES FOR UPDATE

ABSTRACT OF THE DISCLOSURE

Methods of updating an electronic device having an update agent employing preprocessing techniques is disclosed. The methods described permit an electronic device having a non-volatile memory to update a plurality banks in an efficient manner, by preprocessing the original contents of the non-volatile memory. The preprocessing may comprise shifting one or more banks before performing an update, so as to create a moving, unoccupied bank or “bubble” into which the updated version of a bank may be stored. An embodiment of the present invention provides a reduction in the processing of the original memory contents, and extends the life of the non-volatile memory devices used.